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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,013	03/22/2006	Hiromasa Iwashita	25040-1611	2507

29052 7590 03/26/2007  
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ATLANTA, GA 30309

EXAMINER
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MAI, TRI M

ART UNIT	PAPER NUMBER
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3781

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/26/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/573,013

Applicant(s)

IWASHITA ET AL.

Examiner

Tri M. Mai

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 05/10/06;03/22/06.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_.

### **DETAILED ACTION**

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the range in claims 1 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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The recitation “the circles circumscribed about the cross sectional shapes are identical with oneanother” is confusing. It seems that there is only one circle shape circumscribe the container when it is view downward.

“the number of angles of which” has no antecedent basis. It is unclear what is meant by “which”.

“the cross-sectional shape of the body rotates” is confusing. It seems the cross-section shape” does not rotate. It seems that the body is twisted about vertical central axis. The term “the cross-sectional shape” denotes a two dimensional planar shape, and it does not rotate. Similar issue is with claim 4.

3. Claims 1-4 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Frydlender (D168932) in view of Sudbeaz (2858558) or Trabattoni (D293944) . Frydlender teaches a bottle having a shoulder, a body, bottom, a cross sectional shape at the body is a regular polygon, each angle of the polygon is rounded off and an arc as claimed (there is a small rounded corner noticeable in Fig. 4). The cross-sectional shapes have the same shape at any portion of the body. Frydlenders has a circle circumscribed about the cross sectional shape as claimed, i.e, the apex of the angle rotate to the next angle thus creating a circle circumscribed about the cross sectional shape as claimed.

Either Sudbeaz or Trabattoni teaches that it is known in the art to make a bottle from either plastic or glass (Sudbeaz, col. 2, ln. 25). It would have been obvious to one of ordinary skill in the art to make the bottle from either plastic or glass to provide the desired material for the bottle.

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Regarding claim 2, it would have been obvious for one of ordinary skill in the art to provide the rotation as claimed.

Regarding claim 3, note the apex of the angle twists to the next angle thus creating a circle circumscribed about the cross sectional shape as claimed.

4. Claim 1-4 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Frydlender rejection, as set forth above, and further in view of either Herrmann et al. (D520432) or O'Reilly (D328 432). To the degree it is argued that that Frydlender does not teach the arc at the each angle. It would have been obvious for one of ordinary skill in the art to provide round edges at the corner as taught by either Herrmann et al. or O'Reilly, to provide added safety from sharp edges.

5. Claim 5 is rejected under 35 U.S.C. 103 (a) as being unpatentable over Frydlender, as set forth in paragraphs 3 and 4, and further in view of Sugiura (5928742). It would have been obvious for one of ordinary skill in the art to make the bottle from PET as taught by Sugiura to provide the desired plastic for the bottle.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tri M. Mai whose telephone number is (571)272-4541. The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Stashick can be reached on (571)272-4561. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tri M. Mai  
Primary Examiner  
Art Unit 3781

